

بروزترین و برترین  
سایت کنکوری کشور

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# درس سوم پایه دوازدهم Vision 3

## LESSON 3

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Renewable Energy

واژه انگلیسی	متضاد/ مترادف / تعریف	معنای فارسی
renewable energy /rɪ'nu:əbəl enədʒi/	Definition: energy that is produced using the sun, wind rather than using fuels such as oil and coal	انرژی تجدید پذیر
ancient /'eɪnʃənt/	Definition: belong to a long time in history	باستان
BC /bi: si:/	Definition: Before Christ	قبل از میلاد مسیح
Produce /prə'dju:s/	Definition: make or grow something	تولید کردن ، ساختن
Power /paʊər/	Definition: what makes thing work	انرژی ، نیرو
source /sɔ:rs/	Definition: a thing , place , activity that you get something from	منبع ، منشا
Create /kri'eɪt/	Definition: make something new	آفریدن ، ابداع کردن
fossil /fɑ:səl/	Definition: a part of a dead planet or animals that has been in the ground for very long time and has become hard	فسیل
fuel /'fju:l/	Definition: a substance such as coal, gas or oil that can be burned to produce heat or energy.	سوخت
experiment /ɪk'sperɪ.mənt/	Definition: a scientific test that is carried out in order to study what happens and to gain knowledge	آزمایش
solar /soʊlər/	Definition: using the sun	خورشیدی
power /paʊər/	Definition: energy	نیرو
Sunshine /sʌnʃaɪn/	Definition: the light and heat come from the sun	نور خورشید
Scientist /saɪəntɪst/	Definition: a person who studies science or works with science	دانشمند
Hydropower /haɪdrə paʊər/	Definition : the production of electricity by the force of fast moving water	انرژی برق آبی
as a result /əz ə rɪ'zʌlt/	Definition: because of some thing	به علت ، در اثر، به سبب
Fall /fɔ:l/	Definition: go down quickly	افتادن ، پایین آمدن
running water/	Definition: water that is falling or moving	اب جاری ، اب روان
Convert /kən'vɜ:t/	Definition: change into another thing	تغییر دادن ، تبدیل کردن

kinetic/kɪ'netɪk/	Syn: active, dynamic,	حرکتی
Mechanical/mə'kæniɪk/	Definition: moved, done or made by a mechanic	میکانیکی
Last /la:st/	Definition: only one left	آخرین
Lower/ləʊər/	syn: decrease	کاهش دادن ، کاستن
Cost/kɒ:st/	Definition: the money that you must spend in order to run a business , a home	هزینه ، ارزش
Dishwasher/dɪʃwɒʃər/	Definition: a machine that washes things like plates , forks ...	ماشین ظرف شویی
string/strɪŋ/	Definition: a line of thing on a piece of thread	رشته ، ردیف ، سیم
Generate// 'dʒen.ə.reɪt/	Definition: to produce or create something	تولید کردن ، به وجود آوردن
Opposite// 'ɒp.ə.zɪt/preposition حرف اضافه	Definition: on the other side of a particular area:	روبرو ، مقابل ، برعکس
blow /bləʊ/	Definition: when the wind or a current blows, it is moving	باد وزیدن ، دمیدن
remind/rɪ'maɪnd/	Definition: remind somebody (about / of something ) to help somebody remember something important that they must do	یاد آوری کردن
air conditioner/eər kəndɪʃənər/	Definition: a machine that cools a room, buildings or vehicle	دستگاه تهویه
Huge/hju:dʒ/	Definition: extremely large in size or amount Syn: large , great Opp: small	عظیم ، بسیار بزرگ
Sunlight/	Definition: the light from the sun	افتاب ، نور خورشید
Instead/ɪn'sted/	Definition: in the place of somebody or something	به جای ، در عوض
Type/	Syn: kind , sort	نوع
Remind/rɪ'maɪnd/	Definition: make somebody remember something or somebody	به یاد انداختن ، یادآوری کردن به
excellent	Syn : very good	عالی
Common/kə:mən/	Definition: happening to many people or in many places	رایج ، متداول
Main/meɪn/	Syn: most important	مهم ترین
Rich/rɪʃ/	Definition: with a lot of something	غنی ، ثروتمند

	<b>Opp: poor</b>	
<b>Pollute/pə'lut/</b>	<b>Definition: make air, rivers etc. dirty and dangerous</b>	الوده کردن
<b>consume /kən'su:m/</b>	<b>Definition: to use fuels, energy or time</b>	مصرف کردن
<b>Balcony/bælkəni/</b>	<b>Definition: a small place on the outside wall of a building above the ground</b>	بالکن
<b>variety/və'raɪə.ti/</b>	<b>Definition: many different types of things or people</b>	انواع گوناگون
<b>fitness /'fɪt.nəs/</b>	<b>Definition: the state of being physically healthy and strong</b>	تناسب اندام
<b>tide/taɪd/</b>	<b>Definition: the rise and fall of the sea</b>	جزر و مد
<b>replace</b>	<b>1.to take the place of somebody or something 2.to put something back in the right place</b>	جایگزین کردن
<b>use up/ju:z Ap/</b>	<b>Definition: to finish something</b>	تمام کردن
<b>forever</b>	<b>Definition: for all time</b>	برای همیشه ، جاویدان
<b>demand /dɪ'mænd/</b>	<b>Definition: the amount of a product or service that people want</b>	تقاضا
<b>supply /sə'plaɪ/</b>	<b>Definition: an amount of something that is provided or available to be used</b>	ذخیره
<b>organic/ɔ:r'gænɪk/</b>	<b>Definition: produced or practiced without using artificial chemicals</b>	اورگانیک
<b>convert /kən'vɜ:t/</b>	<b>Definition: to change in form or character</b>	تبدیل کردن
<b>absorb /əb'zɔ:rb/</b>	<b>Definition: to take something in especially gradually</b>	جذب شدن
<b>Coal/kəʊl/</b>	<b>Definition: a hard black mineral which is dug out of the ground and burnt to produce heat</b>	زغال سنگ
<b>Nonrenewable/nʌn rɪ'nu:əbəl/</b>	<b>Opp: renewable</b>	تجدید ناپذیر
<b>replace</b>	<b>Definition: take the place of somebody or something</b>	جانشین شدن
<b>resource</b>	<b>Definition: something such as useful land or materials such as oil or coal that exists in one country</b>	منبع
<b>reduce</b>	<b>Definition: make something smaller or less Syn: lower , decrease</b>	کاهش دادن

radiation/ˌreɪ.dɪˈeɪ.ʃən/	Definition: heat, energy, etc. that is sent out in the form of rays	تابش
Material/məˈtɪəriəl/	Definition: what you use for making or doing something	ماده
Shiny/ʃaɪni/	Definition: being brightness	براق ، درخشنده
Panel/pænl/	Definition:	پانل
Collector/kəˈlektər/	Definition: a person who collects things as hobby or as a job	کلکسیونر
Highway/haɪweɪ/	Definition: a big road between towns	بزرگ راه
Sign/saɪn/	Definition: a thing with writing or a picture on it that tells you something	علامت ، تابلو
Space stations	Definition:	ایستگاه فضا
Magic/mædʒɪk/	Definition: a special power that can make strange or possible things happen	سحر آمیز ، جادویی
take note/teɪk nəʊt/	Definition: write something that you can remember later	یادداشت برداشتن
Guideline/ˈɡaɪd.laɪn/	Definition: something that can be used to help you make a decision or form an opinion Syn: direction, instruction	راهنمای
Include/ɪnˈkluːd/	Definition: have somebody or something as on part of the whole Syn: contain, involve	شامل بودن
Abbreviation/əˈbrɪ:vɪeɪʃn/	Definition: a short form of a word	مخفف ، اختصار
Symbol/sɪmbl/	Definition: a mark ,sign or picture that shows something	علامت ، نشانه
Margin/mɑːrɪdʒɪn/	Definition: the space at the side of a page that has no writing or picture in it	حاشیه
Separate/sepəreɪt/	Syn: isolate Opp: attach	جدا، مجزا
Proverb/prɒvɜːrb/	Definition: a short sentence that people often say that gives help or advice	ضرب المثل
well-known/welnəʊn/	Syn: famous Opp: unknown	مشهور
Practical/præktɪkəl/	Definition: possible to do it	عملی ، انجام پذیر
advice /dɪˈvaɪz/	Definition: guidance, recommendation	نصیحت ، توصیه
Surround/səˈraʊnd/	Definition: to be all around something or somebody	احاطه کردن ، محاصره کردن

Likelihood /laɪlɪhʊd/	Syn: probably	احتمال ، شاید
equivalent /ɪ'kwɪv.əɪ.ənt/	Definition: equal in value, amount, meaning, importance	معادل
Catch /kæʃ/	Syn: take , get	گرفتن
Worm/wɜ:m	Definition: a small animal with long thin body and no legs	کرم
Feather/fe ð	Definition:	پر
flock /flɒk/	Definition: a group of sheep, goats or birds of the same type; a large group of people,	گله ، دسته
spoil /spɔɪl/	Definition: to make sth good into sth bad, unpleasant, useless, etc. Syn: ruin	فاسد کردن ، ضایع کردن
Broth/brɒθ/	Definition: soup with meat and vegetable	ابگوشت
Hatch /hætʃ/	Definition: to come out of an egg	بیرون آمدن جوجه
Sight/saɪt/	Definition: the power to see	بینایی ، دیدار
dread /dred/	Definition: to be very afraid of sth; to fear that sth bad is going to happen	ترس ، بیم
Stone/stəʊn/	Definition: the very hard stuff that is in the ground.	سنگ
garbage /'gɑ:.bɪdʒ/	Definition: waste food, paper, etc. that you throw away	زباله ، اشغال
landfill /'lænd.fɪl/	Definition: an area of land where large amounts of waste materials are buried under the earth	محل دفن کردن زباله
Voluntary /'vɒl.ən.tər.i/	Definition: done willingly, not because you are forced	اختیاری ، داوطلبانه
delivery /dɪ'lvɪ.ər/	Definition: to take goods, letters, etc. to the person or people they have been sent to	تحويل دادن
Waste/weɪst/	Definition: things that people throw away because is not useful	باطله ، زائد
warn /wɔ:rn/	Definition: to tell somebody about something, especial something dangerous or unpleasant that is likely to happen	اخطار دادن
Principal /'prɪn.sə.pəl/	Definition: most important; main	مهم ، عمده
global warming,	Definition: a general increase in world temperature caused by increased amount of carbon dioxide around earth	گرم شدن زمین



bill /bɪl/	Definition: a piece of paper that shows how much money you owe sb for goods or services	صورت حساب
barbecue /'bɑ:r.bə.kju:/'	Definition: to cook (meat, fish, or other food) on a barbecue	کباب کردن
Kite/kaɪt/	Definition: a light frame covered	بادبادک
Fantastic/fæn'tæstɪk/	Definition: extremely good	عالی
apply for a job	Definition: to make a formal request usually writing for job	درخواست کار کردن
Videophone/vɪdiəʊfəʊn/	Definition: a type of telephone that allows you to see the person you are talking to on a screen.	تلفن تصویری
require /rɪ'kwaɪər/	Definition: to need sth; to depend on somebody/something	لازم داشتن
Load /ləʊd/	Definition: sth that is being carried by a person, vehicle, etc.	بار، کوله بار
revolve /rɪ'vɒlv/	Definition: to go in a circle around a central point	چرخیدن، گردیدن
supply /sə'plaɪ/	Definition: an amount of something that is provided or available to be used	ذخیره
topic sentence	Definition: the main idea of a paragraph	موضوع اصلی
supporting sentences	Definition: they provide examples for the topic sentence	جملات پشتیبان
concluding sentence	Definition: it may restate the main idea using different words	جمله نتیجه گیری پایانی
Client /'klaɪ.ənt/	Definition: a person who uses the services or advice of a professional person or organization	مشتری
document /'dɒk.jə.mənt/	Definition: to record details of something	سند ، مدرک
gradually /'grædʒ.u.ə.li/	Syn :little by little, bit by bit, step by step	اهسته ، کم کم



## Vocabulary Development

English Proverb	Meaning	Persian Proverb
<b>God helps those who help themselves</b>	Don't just wait for good things to happen to you. Work hard to achieve your goals.	حرکت تو از از خدا برکت
<b>The early bird catches the worm</b>	You should wake up and start work early if you want to succeed.	باش خیز سحر تا کامروا باشی
<b>Birds of a feather flock together</b>	People like to spend time with others who are similar to them.	کبوتر با کبوتر، باز با باز، کند همجنس با همجنس خود پرواز
<b>Actions speak louder than words</b>	Just saying that you'll do something doesn't mean much. Actually doing it is harder and more meaningful.	دو صد گفته چون نیم کردار نیست.
<b>Practice makes perfect</b>	You have to practice a skill a lot to become good at it.	کار نیکو کردن از پر کردن است
<b>Too many cooks spoil the broth</b>	When there are too many people trying to lead and give their opinions, it's confusing and leads to bad results. Jobs and projects should have one or two strong leaders.	آشپز که دوتا شد آش یا شور می شود یا بی نمک

<b>Easy come, easy go</b>	When you get money quickly, like by winning it, it's easy to spend it or lose it quickly as well.	باد آورده را باد می برد
<b>Two heads are better than one</b>	When two people cooperate with each other, they come up with better ideas	یک دست صدا ندارد
<b>Don't count your chickens before they hatch</b>	Your plans might not work out, so don't start thinking about what you'll do after you succeed. Wait until you've already succeeded, and then you can think about what to do next.	جوجه هایت را آخر پاییز بشمار
<b>Out of sight, out of mind</b>	You soon forget people or things that are no longer visible or present.	از دل برود هر آنکه از دیده برفت
<b>Cut your coat according to your cloth.</b>	Said to emphasize that someone should do as well as possible with the limited money they have	پایت را اندازه گلیمت دراز کن
<b>A burnt child dreads the fire.</b>	Someone who has experienced some kind of negative situation will try to avoid experiencing the same situation again.	مار گزیده از ریسمان سیاه و سفید می ترسد
<b>Kill two birds with one stone.</b>	To achieve two things at once	با یک تیر دو نشان زدن
<b>Don't look a gift horse in the mouth.</b>	Don't be ungrateful when you receive a gift.	دندان اسب پیش کشی را نمی شمردند

# Grammar

جملات زیر معلوم هستند و از افعال ناقص can, should, may, might, must استفاده شده است. و در جملات از ساختار زیر استفاده می کنیم.

مفعول + فعل اصلی + افعال کمکی ناقص + فاعل

The principal should call the parents.

فاعل      فعل کمکی ناقص      فعل اصلی      مفعول

The cook may make a fish salad for dinner.

فاعل      فعل کمکی      فعل اصلی      مفعول

People must obey the traffic rules.

فاعل      فعل کمکی ناقص      فعل اصلی      مفعول

جملات زیر مجهول هستند و برای مجهول ساختن آنها از ساختار زیر استفاده می شود. در جملات مجهول اتفاق و عمل برای ما مهم است نه فاعل جمله.

قسمت سوم فعل + ed افعال باقاعده  
+ be افعال کمکی ناقص + مفعول

The parents should be called (by the principal).

مفعول      فعل کمکی ناقص      فعل + ed      فاعل

**A fish salad may be made for dinner (by the cook).**

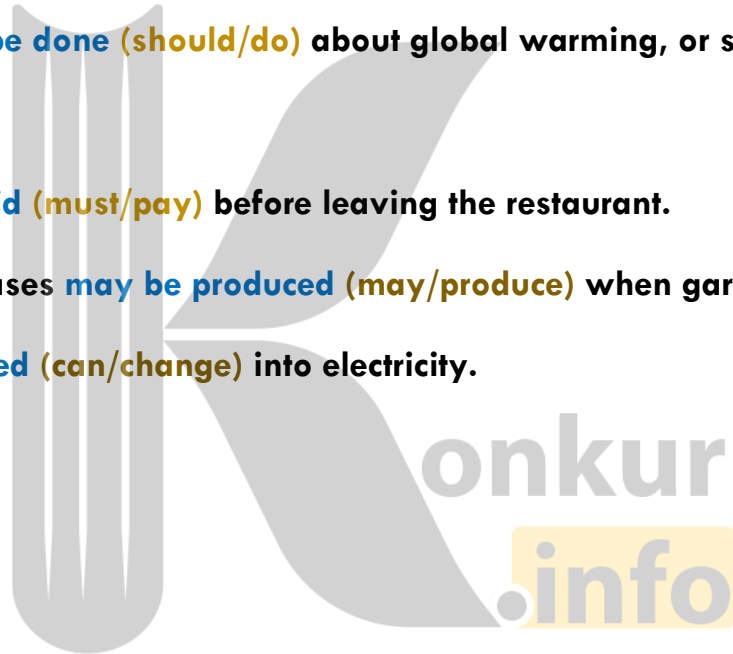
مفعول      فعل كمكى ناقص      قسمت سوم فعل      فاعل

**The traffic rules must be obeyed (by everyone).**

مفعول      فعل كمكى ناقص      فعل + ed      فاعل

**Read the following sentences and use passive voice with the given verbs in the parentheses.**

1. Something **should be done** (should/do) about global warming, or some types of animals will die out.
2. The bill **must be paid** (must/pay) before leaving the restaurant.
3. Some dangerous gases **may be produced** (may/produce) when garbage is burned.
4. Wind **can be changed** (can/change) into electricity.



# See Also

## Past perfect tense

A. Read the following example sentences.

Joe <b>had studied</b> Chinese	before	he moved to China.
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She <b>had never seen</b> a bear	before	she went to the zoo.
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I knew I <b>had seen</b> that man somewhere	before.
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The woman told me that she <b>had worked</b> in Isfahan	before.
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Everything in the garden was brown	because	it <b>hadn't rained</b> .
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They gave me some money back	because	I <b>had paid</b> too much.
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When I arrived at the party,	my grandparents <b>had already gone</b> home.
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When I sent the book to her,	she <b>had already bought</b> it.
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زمان گذشته کامل یا ماضی بعید

کاربرد گذشته کامل یا ماضی بعید :

برای بیان عمل یا کاری که در گذشته قبل از عمل دیگری اتفاق افتاده باشد از گذشته کامل استفاده می کنیم که نیازمند دو عمل است : عملی که در گذشته دورتر اتفاق افتاده که به شکل ماضی بعید استفاده می شود و عملی که بعداً انجام شده به شکل گذشته ساده استفاده می شود .

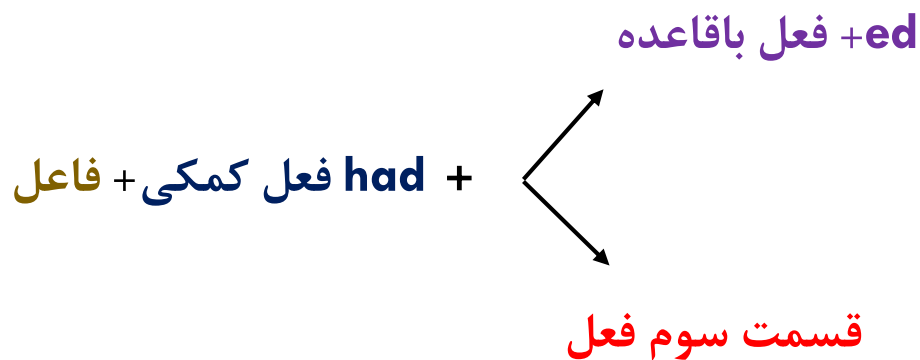
یادآوری : ساختن گذشته ساده به طریقه زیر است:



۱. فعل باقاعده: I **played** football yesterday.

۲. فعل بی قاعده: I **went** to the park

طریقه ساختن گذشته کامل :



اگر فعل باقاعده ed می گیرد . و اگر بی قاعده باشد از قسمت سوم فعل استفاده می شود . در آخر کتاب درسی لیستی از افعال بی قاعده برای مطالعه دانش آموزان گنجانده شده است .

She had worked in Isfahan.

فاعل + فعل باقاعده ed فعل کمکی فاعل

We had taken some photographs.

قسمت سوم فعل فعل کمکی فاعل

تعدادی کلمات ربطی وجود دارند که معمولاً با زمان گذشته کامل به کار برده می شوند. مانند ( when , because , before , after )

گذشته کامل ، گذشته ساده + **When**

**When I sent** the book to her, she **had already bought** it.

گذشته ساده + **when** + گذشته کامل

She **had already bought** it **when I sent** the book to her.

گذشته کامل + **because** + گذشته ساده

They **gave** me some money back **because I had paid** too much.

گذشته ساده ، گذشته کامل + **because**

**Because I had paid** too much, they **gave** me some money.



گذشته کامل ، گذشته ساده + before

Before he moved to China, Joe had studied Chinese.

گذشته ساده + before+ گذشته کامل

Joe had studied Chinese before he moved to China

گذشته ساده ، گذشته کامل + after

After I had done my homework, I went to the park.

گذشته کامل + after+ گذشته ساده

I went to the park after I had done my homework



دو تا از اجزای پاراگراف ، جملات پشتیبان و جمله نتیجه گیری یا پایانی است .

جملات پشتیبان: جملات پشتیبان بعد از جمله موضوع قرار می گیرند و می توانند ایده ای که در جمله هست را توضیح دهند یا دلایل را بیان کنند یا مثال ایی ارائه دهند و یا یک داستان کوتاه تعریف کنند.

جمله نتیجه گیری یا پایانی : آخرین جمله پاراگراف غالباً جملات پشتیبانی یا پایانی است. این جمله ایده و منظور جمله موضوع را تکرار می کند.

نکته: همه پاراگراف ها جمله نتیجه یا پایانی ندارد.

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